Flow Cytometric Apoptosis Detection Kit

Cat. No. Kit-2402 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Activation of members of caspase-family proteases plays a key role in apoptosis. The Flow Cytometric Apoptosis Detection Kit provides a convenient means for detecting activation of caspases by flow cytometry in; Living cells. The assay is based on the cleavage of (aspartyl)2-Rhodamine 110 (D2R), a reported substrate for members of caspase family proteases. The caspase substrate D2R is non-fluorescent, however, upon cleavage of the substrate by cellular caspases, the released rhodamine 110 gives rise to fluorescence that can be measured at excitation of 488 nm and emission of 530 nm.
Applications	Detection of activated caspases in living cells.
Storage	-20°C
Shipping	Gel Pack
Kit Components	D2R Reagent; DTT (1 M); D2R Incubation Buffer
Target Species	Mammalian
Detection method	Flow cytometry, L-1 channel (Ex/Em = 488/530 nm).
Features & Benefits	Simple one-step procedure; takes only 30 minutes; Fast and convenient; D2R is more cell-permeable than other fluorometric caspase substrates

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